REV	BRIEF DESCRIPTION OF CHANGE	ECO	DATE	BY	APPR

SEE SHEET 13

SOFT TURN ON PROTECTION

Q - SW ADV SYNC

FIXED 1150NS DELAY

SH 10 -5.0V
SH 2 QSWADV CMND
R123 10K
R124 10K
R79 40.2K
R87 20K
R80 40.2K
R84 20K
CR19 1N914
C66 .01
SH 1 COMPUTER
U26 LM339AN
R86 20K
CR52 1N914
C8 .01
SH 1 COMPUTER
R12 20K
CR18 1N914
C51 .01
SH 1,4 INT7 SINGLE SHOT
C151A .01
U15 LF347N
R122 10K
R125 10K
U17 LM319N
C33 0.1
R48 680
C37 0.1
R47 680
C101 220PF
C100 0.1
U42 AD817AN
C99 0.1
VN10KM Q18
R138 13.3K
R81 20K
CR23 1N914
C65 .01
SH 1,4 INT5 LONG PULSE
U23 LM339AN
R82 20K
CR25 1N914
C106 .01
SH 1,4 INT6 EXT Q-SW
U5 LM339AN
R83 20K
CR8 1N914
C107 .01
SH 1,4 INT4 Q-SW
R140 20K
CR42 1N914
C108 .01
SH 5 SOFT LAMP BLANK
SH 3,10 10VREF
SH 3,10 SLOW RAMP
U61 CD4027
C137 0.1
FIXED DELAY TP36
+5.0V
R44 10K
C36 0.1
U17 LM319N
C34 0.1
R45 680
C35 0.1
R46 680
-10V
R198 8.06K
C135 220PF
C134 0.1
U59 AD817AN
C133 0.1
VN10KM Q24
Q11 2N3906
R66 10K
R65 10K
R62 49.9K
R63 49.9K
U93 LM339AN
R67 330K
C54 0.1
U48 CD4049
U30 CD4071
W1 START DELAY DISABLE
R85 40.2K
SH 12 FF BLANK
SH 5 STARTDLY
J21 30
SH 10 INT40 QSWADV TRIG
SH 4 850NSDLY
SH 4 ADVDLY
SH 2 CMND
U93 LM339AN
R64 20K
Q36 2N3906
R137 10K
R154 10K
Q37 2N3906
FFRST SH 10

FILE:MAIN9.SCH

QTY	ITEM	PART NUMBER	DESCRIPTION

	NAME	DATE
DRFT.	DUKE	9/94
CHK.		
ENG.	S.LAWRENCE	9/94
APP.		

Spectra-Physics — MOUNTAIN VIEW CA 94042

TOLERANCES, UNLESS OTHERWISE SPECIFIED: .X ± ; .XX ± ; .XXX ± ; ANGLES: ± ; SURF.FIN: ± — GENERAL TOLERANCES PER S-D DOCUMENT NO. C-5100

CONFIDENTIAL SPECTRA-PHYSICS PROPRIETARY

MODEL	NEXT ASSY.

FINISH:

SCHEMATIC, MAIN CONTROL P.C.B.

SCALE	SIZE	DRAWING NUMBER	SHEET	REV.
NONE	D	0449-4020	9 OF 13	D